

Title (en)

MULTILAYER CERAMIC CAPACITOR STRUCTURES FOR USE AT HIGH POWER

Title (de)

MEHRSCICHTIGE KERAMISCHE KONDENSATORSTRUKTUREN ZUR VERWENDUNG BEI HOHER LEISTUNG

Title (fr)

STRUCTURES DE CONDENSATEUR CÉRAMIQUE MULTICOUCHE DESTINÉES À ÊTRE UTILISÉES À HAUTE PUISSANCE

Publication

EP 3631824 A1 20200408 (EN)

Application

EP 18806793 A 20180509

Priority

- US 201715601323 A 20170522
- US 2018031847 W 20180509

Abstract (en)

[origin: US2018337002A1] An improved multilayered ceramic capacitor is provided wherein the capacitor has improved heat dissipation properties. The capacitor comprises first internal electrodes and second internal electrodes wherein the first internal electrodes are parallel with, and of opposite polarity, to the second internal electrodes. Dielectric layers are between the first internal electrodes and second internal electrodes and a thermal dissipation channel is in at least one dielectric layer. A thermal transfer medium is in the thermal dissipation channel.

IPC 8 full level

H01G 2/08 (2006.01); **H01G 4/30** (2006.01); **H01G 4/38** (2006.01)

CPC (source: EP US)

H01G 2/08 (2013.01 - EP US); **H01G 4/012** (2013.01 - EP US); **H01G 4/12** (2013.01 - EP US); **H01G 4/258** (2013.01 - EP US); **H01G 4/30** (2013.01 - EP US); **H01G 4/38** (2013.01 - EP US); **Y10T 29/43** (2015.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 10147544 B1 20181204; **US 2018337002 A1 20181122**; CN 110692114 A 20200114; CN 110692114 B 20220701; EP 3631824 A1 20200408; EP 3631824 A4 20200715; JP 2020522125 A 20200727; JP 7108637 B2 20220728; US 10840023 B2 20201117; US 2019066927 A1 20190228; WO 2018217463 A1 20181129

DOCDB simple family (application)

US 201715601323 A 20170522; CN 201880033964 A 20180509; EP 18806793 A 20180509; JP 2019563104 A 20180509; US 2018031847 W 20180509; US 201816175186 A 20181030